Dr. Dragoslav Herceg
Curriculum Vitae

January 15, 2013

Biography

- Date of birth: *March 9, 1948*
- Place of birth: *Kula, Yugoslavia*
- Marital status: *Married (two children)*
- Citizenship: *Serbian*

Languages

- Mother tongue: *Serbian*
- Active knowledge: *German, English*
- *Reading knowledge of other Slavic languages*

Education

Faculty of Science, Novi Sad, Yugoslavia:

- B. S. Mathematics: 1967-1971
- M. S. Mathematics: 1976
- Ph. D. Mathematics: 1980

Experience

- University of Coimbra, Portugal, Visiting Professor: Fall 1989
- University of Novi Sad, Faculty of Science, Professor: 1989-present
- University of Novi Sad, Faculty of Science, Associate Professor: 1985-1989
- University of Novi Sad, Faculty of Science, Assistant Professor: 1980-1985
- University of Novi Sad, Faculty of Science, Teaching Assistant: 1972-1980
- University of Novi Sad, Advanced Technical School, Teaching Assistant: 1971-72

Honors

- Director, Department of Mathematics and Informatics, Novi Sad, 2002-2006
- Director, Institute of Mathematics, Novi Sad, 1998-2002
- Vice-Dean, Faculty of Science, University of Novi Sad, 1996-1998
- Rector, University of Novi Sad, 1991-1996
- Dean, Faculty of Science, University of Novi Sad, 1985-1987
- Director, Institute of Mathematics, Novi Sad, 1980-1985, 1989-91
- Chief of Computer Centre, Institute of Mathematics, 1979-1980

Mathematical Specialization

- Numerical solution of two-point boundary value problems
- Singularly perturbed boundary value problems
- Systems of linear and nonlinear equations
- Relaxation methods

Publications

MR = Math. Reviews, ZB = Zentralblatt für Math., RZh = Referativnyvi Zhurnal

1. **Herceg, D.**, Pejović, P., Koprivica, K., *A certain approach to the numerical solution of a Fredholm integral equation of the second kind by means of a computer*. (Serbian. English summary). Mat. Vesn. 12(27)(1975), 257-263.
   MR 55(1978): 6899   ZB 312.65092

2. **Herceg, D.**, *Approximate solution of some classes of operator equations*. (Serbian), Master Thesis, University of Novi Sad, 1976, 94 pgs.

3. Surla, K., **Herceg, D.**, *Some possibilities in solving operator equations using nonstationary iterative methods*. Mat. Vesn. 1(14)(29)(1977), 371-377.
   MR 57(1979): 14437   ZB 414.65027

4. **Herceg, D.**, Stanković,B., *Approximate solutions of the operator linear differential equation II*. Publ. Inst. Math. Nouv. Ser. 22(36)(1977), 77-86.
   MR 57(1979): 13400b   ZB 376.44005

5. **Herceg, D.**, *Nonequidistant difference formulas of the Hermit type*. (Serbian. English summary). Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 8(1978), 95-99.
   MR 81a: 65078   ZB 418.65042   RZh 10B 1091(1980)

6. **Herceg, D.**, *Numerical solution of a Fredholm integral equation with a nonnegative kernel*. (Serbian. English summary). Univ. u Novom Sadu, Zb. Rad. Prirod. Mat. Fak. Ser. Mat. 8(1978), 101-112.
   MR 82d: 65086   ZB 421.65071   RZh 10B 989(1980)

7. **Herceg, D.**, *Ein Differenzenverfahren zur Lösung von Randwertaufgaben*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 9(1979), 221-232.
   MR 82e: 65087   ZB 452.65052

8. **Herceg, D.**, *Nichtäquidistante Diskretisierung der Grenzschichtdifferentialglechungen und einige Eigenschaften von diskreten Analoga*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 9(1979), 199-219.
   MR 82j: 65054   ZB 452.65051

9. **Herceg, D.**, *Difference Methods on non equidistant meshes*. (Serbian), Ph. D. Dissertation, University of Novi Sad, 1980, 126 pgs.

10. **Herceg, D.**, *A difference scheme for a singular perturbation problem*. (Serbian. English summary). Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 10(1980), 93-101.
    MR 83f: 65126   ZB 504.65048

11. Uzelac, Z., **Herceg, D.**, *Nonequidistant discretization of Poisson's equation*. (Serbian. English summary). Univ. u Novom Sadu, Zb. Rad. Prirod. Mat. Fak. Ser. Mat. 10(1980), 113-121.
    MR 83e: 65186   ZB 504.65052

12. **Herceg, D.**, *The use of nonequdistant grid in difference method*. (Serbian. English summary). Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 10(1980), 102-112.
    MR 83f: 65160   ZB 504.65049

13. **Herceg, D.**, Vulanović, R., *Some finite difference schemes for a singular perturbation problem on a nonuniform mesh*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 11(1981), 117-134.
    MR 84f: 65058   ZB 506.65035

14. **Herceg, D.**, *On uniformly convergent schemes with quasi constant fitting factors*. Univ. u

Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 11(1981), 105-115.
MR 84b: 34080   ZB 506.65034

15. **Herceg, D.**, Aleksić, Lj., *An optimal numerical approximation of second derivative*. III Conference on Applied Mathematics, D. Herceg, ed., Institute of Mathematics, Novi Sad, 1982, 41-47.
MR 84d: 65010   ZB 514.65009   RZh 3B 1264(1983)

16. **Herceg, D.**, *Exit criteria for some iterative methods*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat.12(1982), 139-150.
MR 85g: 65058   ZB 539.65031; 537.65040   RZh 8B 1255(1984)

17. Cvetković,Lj., **Herceg, D.**, *On numerical solution of boundary value problem using an optimal numerical differentiation*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 12(1982), 177-189.
MR 85c: 65095b   ZB 541.65054; 538.65049   RZh 8B 1348(1984)

18. **Herceg, D.**, *Some difference schemes for two point boundary value problems*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 12(1982), 123-137.
MR 85c: 65095a   ZB 537.65058; 538.65048   RZh 8B 1346(1984)

19. **Herceg, D.**, *An iterative solution of the discrete problem to a nonlinear boundary value problem*. V Znanstveni skup Proracunavanje i projektiranje pomocu racunala, Zagreb, 1983, 131-135.

20. **Herceg, D.**, *Über die Konvergenz des AOR Verfahrens*. Z. angew. Math. Mech. Bd. 65(1985), 378-379.
MR 86h: 65041   ZB 579.65026   RZh 9B 1096(1985)

21. **Herceg, D.**, *Remarks on different splittings and associated generalized linear methods*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 13(1983), 177-186.
MR 86e: 65049   ZB 573.65019   RZh 10B 1326(1985)

22. **Herceg, D.**, Cvetković, Lj., *An iterative solution of some discrete analogues of a mildly nonlinear boundary value problem. Numerical Methods and Approximation Theory, Milovanovic, G.V.*, ed., Faculty of Electronic Engineering, Niš, 1984, 143-148.
MR 86g: 65009   ZB 552.65062   RZh 5B 1174(1985)

23. Cvetković,Lj., **Herceg, D.**, *Some sufficient conditions for convergence of AOR method*. Numerical Methods and Approximation Theory, Milovanovic, G.V., ed., Faculty of Electronic Engineering, Niš, 1984, 13-18.
MR 86g: 65009   ZB 549.65018   RZh 5B 1094(1985)

24. **Herceg, D.**, Petrović, N., *A note on an iterative process*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 14,2(1984), 117-122.
MR 87h:65086   ZB 604.65023   RZh 8B 1379(1987)

25. Cvetković, Lj., **Herceg, D.**, *On a generalized vSOR Newton's method*. IV Conference on Applied Mathematics, Vrdoljak, B., ed., Faculty of Civil Engineering, Split, 1985, 99-102.
MR 87c: 65054b   ZB 558.65034   RZh 2B 1387(1986)

26. **Herceg, D.**, *Some sufficient conditions for convergence of vSOR Newton method*. IV Conference on Applied Mathematics, Vrdoljak, B., ed., Faculty of Civil Engineering, Split, 1985, 93-98.

27. **Herceg, D.**, Cvetković, Lj., *On numerical differentiation*. SIAM J. Numer. Anal. 23(1986), 686- 691.
MR 87k: 65020   RZh 1B 1077(1987)

28. Vulanović, R., **Herceg, D.**, Petrović, N., *On the extrapolation for singularly perturbed*

boundary value problem. Computing, 36(1986), 69-79.
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29. **Herceg, D.**, Cvetković, Lj., *AOR Method for Ax=lambdaBx. Numerical Methods and Approximation Theory, Herceg, D.*, ed., Institute of Mathematics, Novi Sad, 1985, 41-46.
MR 87b: 65045   ZB 597.65027   RZh 4B 1249(1986)

30. **Herceg, D.**, Cvetković, Lj., *Über die Bestimmung der Parameter fü das VAOR Verfahren. Z.* angew. Math. Mech. Bd. 66(1986), 411-413.
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31. Cvetković,Lj., **Herceg, D.**, *Über die Konvergenz des VAOR Verfahrens*. Z. angew. Math. Mech. Bd. 66(1986), 405-406.
ZB 606.65022   RZh 11B 1006(1986)

32. **Herceg, D.**, *On numerical solution of singularly perturbed boundary value problem*. Conference on Applied Mathematics 5, Bohte, Z., ed., University of Ljubljana, Institute of Mathematics, Physics and Mechanics, Ljubljana, 1986, 59-66.
MR 88a: 65083   ZB 606.65057   RZh 1B 1153(1987)

33. Cvetković,Lj., **Herceg, D.**, *Eine Modifikation des AOR Verfahrens*. Z. angew. Math. Mech. Bd. 67(1987), 464-467.
RZh 11B 1230(1987)

34. Cvetković,Lj., **Herceg, D.**, *Some sufficient conditions for the convergence of the method of averaging functional corrections*. Appl. Numer. Math. 6(1989/1990), 187-194.
MR 91a:65079   RZh 6? 28(1987)

35. Vulanović, R., **Herceg, D.**, Petrović, N., *A numerical solution of the singular perturbation problem arising from a weakly coupled system*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 19,1(1989), 25-32.
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36. **Herceg, D.**, Cvetković, Lj., Petrović, N., *On an iterative method for solving certain nonlinear system*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 18,1(1988), 1-9.
MR 91b:65061

37. **Herceg, D.**, Petrović, N., *On numerical solution of singularly perturbed boundary value problem II*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat.17, 1(1987), 163-186.
MR 89c:65084   RZh 8G 120 (1988)

38. Cvetković,Lj., **Herceg, D.**, *Some result on M and H matrices*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 17,1(1987), 121-129.
MR 89f:15016   ZB 637.65023

39. **Herceg, D.**, Cvetković, Lj., *On the extrapolation method and USA algorithm*. Journal of Economic Dynamics and Control 13(1989), 301-311.
MR 90c:90048   ZB 663.90012

40. Cvetković,Lj., **Herceg, D.**, *Convergence theory for AOR method*. Journal of Computational Mathematics, 8(1990), 128-134.
MR 91f:65137

41. **Herceg, D.**, *Uniform fourth order difference scheme for a singular perturbation problem*. Numer. Math. 56(1990), 675-693.
MR 91f:65137

42. Cvetković,Lj., **Herceg, D.**, *An improvement for the area of convergence of the AOR method*. Anal. Numer. Theor. Approx. 16(1987), 109-115.

MR 90h:65049

43. Herceg, D., Vulanović, R., Petrović, N., *Higher order schemes and Richardson extrapolation for singular perturbation problems*. Bull. Austral. Math. Soc. 39(1989), 129-139.
MR 90e:65114

44. Herceg, D., Petrović, N., *Numerische Modelle höherer Ordnung für singulär gestörte Randwertaufgaben*. Z. angew. Math. Mech. Bd. 68(1988), 489-491.

45. Cvetković,Lj., **Herceg, D.**, *Nonlinear AOR method*. Z. angew. Math. Mech. Bd. 68(1988), 486-487.
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46. Cvetković,Lj., **Herceg, D.**, *On the method of averaging functional corrections applied to linear systems*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 18,1(1988), 11-16.
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47. Herceg, D., Cvetković, Lj., *A combination of relaxation methods and method of averaging functional corrections*. Numerical Methods and Approximation Theory III, Milovanovic, G.V., ed., Faculty of Electronic Engineering, Niš, 1988, 241-249.
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48. Herceg, D., Cvetković, Lj., *Convergence of the accelerated overrelaxation method*. Apl. Mat. 34,6(1989), 475-479.
MR 90m: 65069

49. Cvetković, Lj., **Herceg, D.**, *The AOR method for solving linear interval equations*. Computing 41(1989), 359-364.
MR 90k:65119   ZB 890.22097

50. Cvetković, Lj., **Herceg, D.**, *A modification of the overrelaxation method*. Z. angew. Math. Mech. Bd. 69(1989), 187-188.
MR 91a:65077   ZB 890.46032

51. Herceg, D., Petrović, N., *Extrapolation bei Differenzenverfahren für die singulär gestörte Randwertaufgabe*. Z. angew. Math. Mech. Bd. 69(1989), 126-128.
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52. Herceg, D., Petrović, N., *On a difference scheme for singular perturbation problems*. VI Conference on Applied Mathematics, Jovanovic, B., ed., University of Belgrade, Beograd, 1989, 55-63.
MR 91c:65055   ZB 681.65060 RZh 12G 126(1989)

53. Herceg, D., *On a modification of nonlinear overrelaxation methods*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 21,1 (1991), 1-13.

54. Herceg, D., Cvetković, Lj., *On a method for solving almost linear system of equations*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 21,1 (1991), 15-22.
ZB 749.65034

55. Herceg, D., *On an iterative process for solving system of equations*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 20,1(1990), 1-10.
MR 93d: 65035

56. Herceg, D., *On numerical solution of singularly perturbed boundary value problem III*. Univ. u Novom Sadu, Zb. Rad. Prirod.- Mat. Fak. Ser. Mat. 23,1(1993), 371-383.

57. Cvetković, Lj., **Herceg, D.**, *Some sufficient conditions for convergence of interval AOR*

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method. VI Conference on Applied Mathematics, Jovanovic, B., ed., University of Belgrade, Beograd, 1989, 8-13.
MR 90j:65070   ZB 890.33901

58. **Herceg, D.**, *On numerical solution of singularly perturbed nonlocal problem*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 20,2 (1990) 1-10.

59. **Herceg, D.**, *Numerical solution of some discrete analogues of boundary value problems*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 24,2(1994), 187-196.
MR 97f:65045

60. Surla, K., **Herceg, D.**, *An exponential spline difference scheme for singular perturbation problems. Splines in Numerical Analysis, J.W. Schmidt, H. Spät,*, eds., Akademie Verlag, Berlin, 1989, 171-180.
MR 90i:65152   ZB 673.65043   RZh 12G 130(1989)

61. Surla, K., **Herceg, D.**, Cvetković, Lj., *A family of exponentially spline difference schemes*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 20,1(1990), 17-26.

62. **Herceg, D.**, Petrović, N., *On a numerical solution of a nonlocal problem*. Z. angew. Math. Mech. Bd. 70(1990), 649-552.
RZh 1G 121(1991)

63. Cvetković, Lj., **Herceg, D.**, *Relaxation method for singular M matrices*. Z. angew. Math. Mech. Bd. 70(1990), 552-553.

64. **Herceg, D.**, Cvetković, Lj., *On an iterative method for a system of equations*. Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 20,1(1990), 11-15.
MR 93d: 65036

65. **Herceg, D.**, Krejić, N., *On Two Relaxation Methods for Solving Systems of Nonlinear Equations*. VII Conference on Applied Mathematics, R. Scitovski, ed., University of Osijek, Osijek, 1990, 79-89.

66. **Herceg, D.**, Martins, M.M., Trigo, M.E., *On the convergence of the MSOR Method for some Classes of matrices*. SIAM J. Matrix. Anal. Appl. 14(1993), 122-131.

67. **Herceg, D.**, Martins, M.M., Trigo, M.E., *Extended Convergence area for the (MSOR) Method*. J. Comput. Appl. Math. 33(1990), 123-132.
RZh 5G 16(1991)

68. **Herceg, D.**, Martins, M.M., Trigo, M.E., *The MSOR Method for solving linear interval equations*. Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 22,2(1995), 197-206.
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69. **Herceg, D.**, Cvetković, Lj., *On some subclasses of H-matrices*. Z. angew. Math. Mech. Bd. 71(1991), 815-816.

70. Vulanović, R., **Herceg, D.**, *The Hermite scheme for semilinear singular perturbation problems*. Journal of Computational Mathematics, 11,2(1993), 162-171.

71. **Herceg, D.**, Surla, K., *A solving nonlocal singularly perturbed problem by spline in tension*. Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 21,2(1991), 119-132.

72. **Herceg, D.**, Krejić, N., *On a Nonstationary Modification of an Iterative Method*. Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 22,2(1992), 1-10.

73. **Herceg, D.**, Cvetković, Lj., *Some results on H-matrices in connection with the AOR convergence theory*. Bull. Appl. Math. 720(1991), (LVIII), 7-13.

74. Petković, M., **Herceg, D.**, *Higher-order iterative methods for approximating zeros of*

analytic functions. J. Comput. Appl. Math. 39(1992), 243-258.

75. Surla, K., **Herceg, D.**, *epsilon-convergent difference scheme for nonlocal singularly perturbed problem*. Numerical methods in singularly perturbed problems, H.G. Roos, A. Felgenhauer, L. Angermann, eds., Technische Universitat Dresden, 1991, 135-146.

76. **Herceg, D.**, Krejić, N., *On the Convergence of the Unsymmetric Successive Overrelaxation (USSOR) Method*. Linear Algebra Appl. 185:49-60 (1993).

77. **Herceg, D.**, Vulanović, R., *O optimizaciji jednog postupka za numeričko rešavanje konturnog problema s graničnim slojem*. Conference on Applied Mathematics 2, Bohte, Z., Ed., University of Ljubljana, Institute of Mathematics, Physics and Mechanics, Ljubljana, 1981, 39-52.

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79. **Herceg, D.**, Krejić, N., *A Remark on Iterative Methods for Systems of Linear Equations*. Bull. Appl. Math. 779(1992)(LXI), 13-22.

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82. **Herceg, D.**, Krejić, N., *Extension of Convergence Area for the AOR Method with Gaussian Elimination*. Proc. Lucrarile Sesuinii de Comunicari Stiintifice (Halic, G. ed.), Arad 1994, 1-7.

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84. **Herceg, D.**, Krejić, N., *Numerical solution of one discrete analogue arising from two-point boundary value problem*. Bull. Appl. Math. 1017(1994)(LXXIII), 9-14.

85. **Herceg, D.**, *On a discrete analogue for boundary value problem*. Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 23,2(1993), 401-410.

86. Cvetković, Lj., **Herceg, D.**, *How to apply theory of G-functions to the convergence analysis of the relaxation methods*. Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 23,2(1993), 393-400.

87. **Herceg, D**, Krejić, N., *Some properties of a matrix arising from boundary value problem*. Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 24,1(1994), 369-379.

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93. **Herceg, D.**, Krejić, N., *On the strong componentwise stability and H-matrices*, Demonstratio Mathematica 30, No 2(1997), 373-378.
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94. **Herceg, D**, Krejić, N., *On a modification of iterative methods*. X Conference on Applied Mathematics, D. Herceg, Lj. Cvetković eds., Institute of Mathematics, Novi Sad, 1996, 9-17.

95. Surla, K., **Herceg, D.**, Dodić, S., *The stability of some difference schemes*. X Conference on Applied Mathematics, D. Herceg, Lj. Cvetković eds., Institute of Mathematics, Novi Sad, 1996, 65-71.

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97. **Herceg, D.**, Pavlović, Lj., *On higher order difference scheme*. XI Conference on Applied Mathematics, D. Herceg, K. Surla eds., Institute of Mathematics, Novi Sad, 1997, 103-116.

98. **Herceg, D.**, Krejić, N., *Hybrid methods for solving discrete analogues of nonlinear boundary value problems*. Nonlinear Analysis, Theory, Methods&Applications, 30,1(1997), 9-15.

99. Lužanin, Z., **Herceg, D.**, Krejić, N., *Parameter selection for inexact Newton methods*. Nonlinear Analysis, Theory, Methods&Applications, 30,1(1997),17-24.

100. **Herceg, D.**, *On a discrete analogue for singularly perturbed BVP*, Bull. Acad. Serbe Sci. Arts (Class. Math. Natur.), 114,22(1997), 57-74.

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103. **Herceg, D.**, Maličić, H., On acceleration of solving singularly perturbed boundary value problem, Novi Sad J. Math. 29,1(1999), 155-168.

104. **Herceg, D.**, Maličić, H., Likić, I., On finite difference analogue of forth order for boundary value problem, Novi Sad J. Math. 30,1(2000), 197-203.

105. **Herceg, D.**, Maličić, H., Likić, I., Zeckendorf numbers and inverse of some band matrices, Fibonacci Quarterly, (2000), 27-31.

106. Petković, M., **Herceg, D.**, On rediscovered iteration methods for solving equations, J. Comput. Appl. Math. 107(1999), 275-284.

107. **Herceg, D.**, Nedić, J., Numerical solution of eliptic convection-diffusion problems on layer-adapted meshes. Bull. Appl. Math. 1017(1999)(LXXVII), 105-117.

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111. **Herceg, D.**, Krejić, N., Maličić, H., On a finite difference analogue of a singularly boundary value problem, Novi Sad J. Math. 30,1(2000), 23-31.

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122. **Herceg, D.**, Matematika i računari u školi, **Tehnologija, informatika, obrazovanje.** 4, M. Danilović, S. Popov, eds., Institut za pedagoška istraživanja Beograd; Centar za razvoj i primenu nauke, tehnologije i informatike Novi Sad, Prirodno matematički fakultet u Novom Sadu, Willy, Novi Sad, 2007, 664-667.

123. Takači, Đ.**, Herceg, D.,** Stojković, R., Trigonometric functions and computer, **Tehnologija, informatika, obrazovanje.** 4, M. Danilović, S. Popov, eds., Institut za pedagoška istraživanja Beograd; Centar za razvoj i primenu nauke, tehnologije i informatike Novi Sad, Prirodno matematički fakultet u Novom Sadu, Willy, Novi Sad, 2007, 496-507.

124. **Herceg, D.**, Herceg, Dj., Numerical Mathematics with GeoGebra in High School, Teaching Mathematics and Computer Science 6/2(2008), 363-378

125. Herceg, Đ.**, Herceg, D**. Some fourth-order methods for nonlinear equations, Novi Sad J. Math. 37,2 (2007), 241-247

126. Herceg, Đ.**, Herceg, D.,** A method for obtaining third order iterative formulas, Novi Sad J. Math. 38,2 (2008), 195-207.

127. Herceg, Đ.**, Herceg, D.,** On a third order family of methods for solving nonlinear equations,

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128. **Herceg, D.**, Herceg, Dj., Skalarni proizvod i numerička integracija, Pedagoška stvarnost, LV, 1-2(2009), 88-102

129. **Herceg, D.**, Herceg, Dj., On a fourth-order finite-difference method for singularly perturbed boundary value problems, *Applied Mathematics and Computation, Volume 203, Issue 2, 15 September 2008, Pages 828-837*

130. **Herceg, D.**, Ljajko, E., Približno rešavanje jednačina uz pomoć računara, Nastava matematike, LIII, 1-2 (2008), 32-42.

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132. Herceg, Đ.**, Herceg, D.,** Definite integral and computer, The Teaching of Mathematics, XII-1(2009), 33-44

133. Herceg, Dj., **Herceg, D.**, Numerical Integration with GeoGebra in High School, The International Journal for Technology in Mathematics Education - Vol 17 Nr 4, (2010), 205-210

134. **Херцег, Д.,** Херцег, Ђ., Интерполација и GeoGebra, Pedagoška stvarnost, LV, 9-10(2009), 897-908

135. **Herceg, D.,** Herceg, Đ., Približni brojevi u osnovnoj školi, **Tehnologija, informatika, obrazovanje** 5, M. Danilović, S. Popov, eds., Institut za pedagoška istraživanja Beograd; Centar za razvoj i primenu nauke, tehnologije i informatike Novi Sad, Prirodno matematički fakultet u Novom Sadu, Willy, Novi Sad-Beograd, 2009, 11-19

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Books (In Serbian)

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2. Pejović, P., **Herceg, D.**, *Collection of problems on algorithms and programming*. Faculty of Science, Novi Sad, 1974, 187 pgs.

3. Petrović, R., Novaković, D., **Herceg, D.**, *Mathematical logic, sets numbers, problems with elements of theory*. Beograd, 1975, 125 pgs.

4. Stojaković, Z., **Herceg, D.**, *Linear algebra and analytical geometry*. Educational Institute, Novi Sad, 1977, 310 pgs. Second edition 1978, third 1982, fourth 1986, Hungarian and Slovak translations, Novi Sad, 1978.

5. **Herceg, D.**, *Numerical analysis*. Institute for the Edition of Textbooks, Novi Sad, 1979, 168 pgs. Second edition 1987, Hungarian translation, Novi Sad, 1980.

6. **Herceg, D.**, Stojaković, Z., *Numerical methods of linear algebra, Collection of problems*. Gradjevinska knjiga, Beograd, 1981, 345 pgs. Second edition 1984, third 1989.

7. Stojaković, Z., **Herceg, D.**, *Numerical methods of linear algebra*. Gradjevinska knjiga, Beograd, 1982, 355 pgs. Second edition 1985, third 1988.

8. **Herceg, D.**, *Numerical and statistical methods 2*. Institute of Mathematics. Novi Sad, 1989, 247 pgs. Second edition 1992.
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9. **Herceg, D.**, Cvetković, Lj., Petrović, N., Petrić, M., *Mathematics II*. Advanced Technical School, Novi Sad, 1989, 382 pgs. Second edition 1994.

10. **Herceg, D.**, Petrović, N.,Cvetković, Lj., Petrić, M., *Mathematics, Collection of problems*. Advanced Technical School, Novi Sad, 1990, 375 pgs.

11. **Herceg, D.**, Vulanović, R., *Numerical analysis, Theory, problems and programming*. VŠOR, Novi Sad, 1989, 375 pgs. Second edition 1994.

12. **Herceg, D.**, *Numerical mathematics*. Institute for the Edition of Textbooks, Novi Sad, Naučnna knjiga, Beograd, 1990, 155 pgs.

13. Stojaković, Z., **Herceg, D.**, *Linear algebra and analytical geometry*. Institute of Mathematics, Novi Sad, 1992, 354 pgs. second 1993, fourth 1997, fifth 2004. sixth 2006, sventh 2008.

14. **Herceg, D.**, Krejić, N., *Numerical analysis*. University of Novi Sad, Stylos, Novi Sad, 1997, 397 pgs.

15. **Herceg, D., Petrović, N., Herceg, Đ.,** *Matematicke tablice*, Todor, Novi Sad, 1997, 200 pgs. Second edition 2000.

16. **Herceg, D.**, Krejić, N., *Numerical analysis. Collection of problems I.* University of Novi Sad, Institute of Mathematics, Novi Sad, 1998, 231 pgs.

17. **Herceg, D.**, Krejić, N., *Numerical analysis. Collection of problems II.* University of Novi Sad , Institute of Mathematics, Novi Sad, 1998, 159 pgs.

18. Gajić, Lj., **Herceg, D.,** Krejić, *N., Elements of business mathematics,* Institute of Mathematics, Novi Sad, 1999, 177 pgs. Second edition 2000, third 2001, fourth 2002.

19. **Herceg, D.,** Surla, K., Uzelac, Z., Uniformno konvergentni metodi za sungularno perturbovane probleme, Institute of Mathematics, Novi Sad, 2000.

20. **Herceg, D.,** Mathematical formulas, Zmaj, Novi Sad, 2000. Second edition 2001, third 2002, fourth 2003.

21. Petrić, M., **Herceg, D.**, *Mathematics for* Advanced Technical School, Advanced Technical School, Novi Sad, 2000, 545 pgs. Second edition 2005, third edition 2010.

22. **Herceg, D.,** Nedić, J., Radeka, I., Kroz matematiku sa *Mathematicom,* Institute of Mathematics, Novi Sad, 2001, pgs. 215.

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24. **Herceg, D.,** Elementi linearne algebre, Symbol, Novi Sad, 2002, pgs. 67. Second edition 2004, third 2005.

25. **Herceg, D.,** Herceg, Đ., Numerička matematika, Stylos, Novi Sad, 2003, pgs. 146.

26. **Herceg, D.,** Matematične formule, Hepkov knjižni klub, Družina Krumpak k.d., Ljubljana, 2004. (Prevod na slovenački Matematičkih formula, red. br. 20)

27. **Herceg, D.,** Matematikai keplettar, NOVUM, Novi Sad, 2005. (Prevod na mađarski Matematičkih formula, red. br. 20)

28. **Herceg, D.,** Zmajtematika, Zmaj, Novi Sad, 2005.

29. **Herceg, D.**, Krejić, N., Numerical Analysis for Computer Science Students, University of Novi Sad, Tempus SCM project, Novi Sad, 2005.

30. **Herceg, D.,** Herceg, Đ., Elementi linearne algebre i Mathematica, Symbol, Novi Sad, 2007, pgs. 87.

31. **Herceg, D.,** Herceg, Đ., Elementi matematičke analize i Mathematica, Symbol, Novi Sad, 2008, pgs. 85.

32. **Herceg, D.,** Herceg, Đ., Elementi Diferencijalnog računa i Mathematica, Symbol, Novi Sad, 2008, pgs. 101.

33. **Herceg, D.,** Herceg, Đ., Elementi integralnog računa i *Mathematica*, Symbol, Novi Sad, 2008, 105 strana

34. **Herceg, D.,** Herceg, Đ., Elementi numeričke analize i *Mathematica*, Symbol, Novi Sad, 2008, 111 strana

35. **Herceg, D.,** Herceg, Đ., Numerička matematika, Symbol, Novi Sad, 2009, pgs 192.

Editor of Proceedings

1. *III Conference on Applied Mathematics*, Novi Sad, Yugoslavia, June 7 9, 1982. Novi Sad, University of Novi Sad, Institute of Mathematics, 1982, VI 145 p.
   MR 84a: 65004   ZB 499.00005

2. *Numerical Methods and Approximation Theory II (Second Conference on Numerical Methods and Approximation Theory).* Novi Sad, Yugoslavia, September 4 6, 1985. Novi Sad, University of Novi Sad, Institute of Mathematics, 1985, IX 206 p.
   MR 87a: 65015   ZB 566.00024   RZh 4B 1222(1986)

3. *IX Conference on Applied Mathematics*, Budva, Yugoslavia, May 30 -June 1, 1994. Novi Sad, University of Novi Sad, Institute of Mathematics, 1994, V 385 p. (with Lj. Cvetković)

4. *X Conference on Applied Mathematics*, Budva, Yugoslavia, May 29 - June 1, 1995. Novi Sad, University of Novi Sad, Institute of Mathematics, 1996, VII 314 p. (with Lj. Cvetković)

5. *XI Conference on Applied Mathematics*, Budva, Yugoslavia, June 3-6, 1996. Novi Sad, University of Novi Sad, Institute of Mathematics, 1997, V 458 p. (with K. Surla)

6. *XII Conference on Applied Mathematics*, Palić, Yugoslavia, September, 8-12, 1997. Novi Sad, University of Novi Sad, Institute of Mathematics, 1998, (with K. Surla)

7. *XIII Conference on Applied Mathematics*, Igalo, Yugoslavia, May, 25-29, 1998. Novi Sad, University of Novi Sad, Institute of Mathematics, 1999, (with K. Surla and N. Krejić)

8. *XVI Conference on Applied Mathematics*, Palić, Yugoslavia, May 29-June 2, 2000. Novi Sad, University of Novi Sad, Institute of Mathematics, 2000, (with K. Surla and Z. Luzanin)

9. *XV Conference on Applied Mathematics*, Zlatibor, Yugoslavia, May 27-June 1, 2002. Novi Sad, University of Novi Sad, Institute of Mathematics, 2002, (with K. Surla and Z. Luzanin)

Congresses and Conferences

1. *VI kongres matematičara, fizičara i astronoma Jugoslavije*, Novi Sad, Yugoslavia, August 28 - Septembar 2, 1975.

2. *International Congress of Mathematicians*, Helsinki, Finland, August 15-23, 1978.

3. *XV jugoslovenski sastanak nuklearne medicine*, Banja Luka, Yugoslavia, September 26-29, 1979.

4. *VII kongres matematičara, fizičara i astreonoma Jugoslavije*, Budva, Bečići, Yugoslavia, October 5-11, 1980.

5. *Second Conference on Applied Mathematics*, Ljubljana, Yugoslavia, June 8-9, 1981.

6. *Third Conference on Applied Mathematics*, Novi Sad, Yugoslavia, June 7-9, 1982.

7. *V Znanstveni skup Proračunavanje i projektiranje pomoću računala*, Stubičke Toplice, Yugoslavia, November 16-18, 1983.

8. *GAMM wissenschaftliche Jahrestagung 1984*, Regensburg, Germany, April 16-19, 1984.

9. *Fourth Conference on Applied Mathematics*, Split, Yugoslavia, May 28-30, 1984.

10. *Numerical Methods and Approximation Theory I*, Niš, Yugoslavia, September 26-28, 1984.

11. *GAMM wissenschaftliche Jahrestagung 1985*, Dubrovnik, Yugoslavia, April 1-4, 1985.

12. *Numerical Methods and Approximation Theory II*, Novi Sad, Yugoslavia, September 4-6, 1984.

13. *XI Österreichische Mathematikerkongress*, Graz, Austria, September 16-21, 1985.

14. *GAMM wissenschaftliche Jahrestagung 1986*, Dortmund, Germany, April 1-4, 1986.

15. *Fifth Conference on Applied Mathematics*, Ljubljana, Yugoslavia, September 2-5,1986.

16. *GAMM wissenschaftliche Jahrestagung 1987*, Stuttgart, Germany, April 13-17, 1987.

17. *Third Conference on Numerical Methods and Approximation Theory*, Niš, Yugoslavia, August 18-21, 1987.

18. *GAMM wissenschaftliche Jahrestagung 1988*, Wien, Austria, April 5-9, 1988.

19. *Sixth Conference on Applied Mathematics*, Tara, Yugoslavia, August 31-September 3, 1988.

20. *International Seminar on Applied Mathematics*, ISAM '89 on Splines in Numerical Analysis, Weissig, Germany, April 24-28, 1989.

21. *GAMM wissenschaftliche Jahrestagung 1989*, Karlsruhe, Germany, March 28-31, 1989.

22. *Seventh Conference on Applied Mathematics*, Osijek, Yugoslavia, September 4-7,1989.

23. *Conference on Applications of Mathematics on the occasion of the 80th birthday of Lothar Collatz*, Hamburg, Germany, July 6-7, 1990.

24. *Pannonian Applied Mathematical & Mechanical Meetings*, Annual Central Meeting, Balatonfüred, Hungary, May 9-12, 1991.

25. *Pannonian Applied Mathematical & Mechanical Meetings*, Year Close Meeting, Göd, Hungary, October 25-27, 1991.

26. *GAMM wissenschaftliche Jahrestagung 1993*, Dresden, Germany, April 12-16, 1993.

27. *Eighth Conference on Applied Mathematics*, Tivat, Yugoslavia, May 27-29, 1993.

28. *Pannonian Applied Mathematical & Mechanical Meetings*, Year Close Meeting, Göd, Hungary, October 22-24, 1993.

29. *Lucrarile Sesuinii de Comunicari Stiintifice*, Arad, Romania, May 5-6, 1994.

30. *Ninth Conference on Applied Mathematics*, Budva, Yugoslavia, May 30 - June 1, 1994.

31. *Pannonian Applied Mathematical & Mechanical Meetings*, Year Close Meeting, Göd, Hungary, October 13-16, 1994.

32. *Pannonian Applied Mathematical & Mechanical Meetings*, Annual Central Meeting, Balatonfüred, Hungary, May 4-7, 1995.

33. *Ninth Conference of Mathematicians of Yugoslavia*, Petrovac/nm, Yugoslavia, May 22-27, 1995.

34. *Tenth Conference on Applied Mathematics*, Budva, Yugoslavia, May 29-June 1, 1995.

35. *Pannonian Applied Mathematical & Mechanical Meetings*, Annual Central Meeting, Almadi, Hungary, May 2-5, 1996.

36. *Eleventh Conference on Applied Mathematics*, Budva, Yugoslavia, June 3-6, 1996.

37. *The Second World Congress of Nonlinear Analists "WCNA 96"*, Athens, Greece, July 10-17, 1996.

38. *Pannonian Applied Mathematical & Mechanical Meetings*, Year Close Meeting, Göd, Hungary, October 10-13, 1996.

39. *Pannonian Applied Mathematical & Mechanical Meetings*, Annual Central Meeting, Almadi, Hungary, May 2-5, 1997.

40. *Twenth Conference on Applied Mathematics*, Palić, Yugoslavia, September, 8-12, 1997.

41. *Pannonian Applied Mathematical & Mechanical Meetings*, Annual Central Meeting, Almadi, Hungary, May 7-10, 1998.

42. *Thirteenth Conference on Applied Mathematics*, Igalo, Yugoslavia, may, 25-29, 1998.

43. *Pannonian Applied Mathematical & Mechanical Meetings*, Year Close Meeting, Göd, Hungary, October 14-17, 1999.

44. *Fourteenth Conference on Applied Mathematics*, Palić, Yugoslavia, may 29-june 2, 2000.

45. *Developer Days 2001,* November 30, 2001, Čatež, Slovenija

46. *Fifteenth Conference on Applied Mathematics*, Zlatibor, Yugoslavia, may 27-june 1, 2002.

47. *Microsoft Conference "Sinergija 02", Beograd, june 5-6, 2002.*

48. *First Conference on Teaching of computer science, , Satellite workshop of PRIM 2002, Novi Sad, june 6-7, 2002.*

49. *Mathematics in Medicine and Pharmacy, Satellite workshop of PRIM 2002, Novi Sad, june 21, 2002.*

50. *Computers in Teaching, Novi Sad, january, 2003.*

51. Improvement of Teching Quality in South East Europe, Joint Europian Institution Building Project, No IB JEP 16081 2001, *Dubrovnik, march, 9-13, 2003.*

52. *Computers in Teaching, Novi Sad, august, 29-31, 2003.*

53. Sixteenth Conference on Applied Mathematics, Budva, may 31-june 4, 2004.

54. Improvement of Teching Quality in South East Europe, Joint Europian Institution Building Project, No IB JEP 16081 2001, Kopaonik, 1-3, October 2004.

55. Improvement of Teching Quality in South East Europe, Joint Europian Institution Building Project, No IB JEP 16081 2001, Vrnjačka Banja, 10-13, March 2005.

56. International Onference On Numerical And Applied Mathematics (ICNAM-2006), Kragujevac, Septenbar, 27-30, 2007.

57. Seventeenth Conference on Applied Mathematics, Kragujevac, September, 25-27, 2006.

58. Međunarodni simpozijum „Tehnologija, informatika i obrazovanje za društvo učenja i znanja" održanom 26- 27. januar 2007. Prirodno-matematički fakultet, Novi Sad.

59. Eighteenth Conference on Applied Mathematics, Subotica, May, 25-29, 2009.

60. Međunarodni simpozijum „Tehnologija, informatika i obrazovanje za društvo učenja i znanja" održanom 19- 20. jun 2009. Fakultet tehničkih nauka, Novi Sad

61. GeoGebra Confernece, january, 15 – 16, 2011, Mathematical Society of Serbia, Novi Sad

Invited Lectures

1. *University of Niš*, Yugoslavia, 1983.

2. *University of Sarajevo*, Yugoslavia, 1985.

3. *University of Ljubljana*, Yugoslavia, 1985.

4. *University of Konstanz*, Germany, 1985.

5. *Advanced Technical School*, Kecskemet, Hungary, 1985.

6. *Colorado State University*, Fort Collins, Colorado, USA, 1987.

7. *University of Coimbra*, Portugal, 1989.

8. *University of Braga*, Portugal, 1989.

9. *University of Konstanz*, Germany, 1990.

10. *University of Niš*, Yugoslavia, 1996.

11. *University of Kragujevac*, Yugoslavia, 1997.

Seminar Lectures

1. *Faculty of Technical Sciences*, University of Novi Sad, 1983, 1985, 1987, 1989, 1991, 1993, 1994.

2. *Faculty of Technology*, University of Novi Sad, 1980, 1981, 1982.

3. *Advanced Technical School*, University of Novi Sad, 1980, 1981, 1986.

4. *University of Novi Sad*, 1993, 1994, 1995.
5. *Medical Faculty*, University of Novi Sad, 2000 – 2011.

6. *Faculty of Teaching*, University of Novi Sad, 2002, 2003, 2004.

7. *Advanced Technological School*, Šabac, 2004, 2005, 2007, 2008.

8. *Faculty of Education,* University of Novi Sad, Sombor, 2010 – 2011.

Research Contracts - Principal Investigator

1. *Science Fund of Serbia*: 2002-2005

2. *Science Fund of Serbia*: Feb. 4, 1994- 2000.

3. *NSF Program Associate of the National Science Foundation Yugoslav United Sates Joint Fund for Scientific and Technological Cooperation*: Sep. 1, 1988 to Sep. 1, 1991.

4. *Self Management Community of Interest for Science of the SAP of Vojvodina*: Oct. 1, 1983 to Dec. 31, 1985; Dec. 15, 1986 to Dec. 31, 1993.

Research Contracts

1. Improvement of Teching Quality in South East Europe, Joint Europian Institution Building Project, No IB JEP 16081 2001

Editorship

1. *Editor in Chief of Novi Sad Journal of Mathematics*, (formerly Univ. u Novom Sadu, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat.) (since 1993).

2. *Associate Editor of Univ. u Novom Sadu*, Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. (1988-1993).

3. *Member of Editorial Board*, Univ. u Novom Sadu, Zb. Rad. Prirod. Mat. Fak. Ser. Mat. (since 1980).

Conferences Organized

1. *Chairman of the Organizing Committee*, Third Conference on Applied Mathematics, Novi Sad, 1982.

2. *Chairman of the Organizing Committee*, Second Conference on Numerical Methods and Approximation Theory, Novi Sad, 1985.

3. *Member of the Organizing Committee*, First Conference on Numerical Methods and Approximation Theory, Niš, 1984.

4. *Member of the Organizing Committee*, Fifth Conference on Applied Mathematics, Ljubljana 1986.

5. *Member of the Organizing Committee*, Third Conference on Numerical Methods and

Approximation Theory, Niš, 1987.

6. *Member of the Organizing Committee*, Sixth Conference on Applied Mathematics, Beograd Tara 1988.

7. *Member of the Organizing Committee*, Seventh Conference on Applied Mathematics, Osijek 1989.

8. *Member of the Organizing Committee*, Eighth Conference on Applied Mathematics, Tivat 1993.

9. *Chairman of the Scientific Committee*, Ninth Conference on Applied Mathematics, Budva 1994.

10. *Member of the Organizing Committee*, Ninth Conference of Mathematicians of Yugoslavia, Petrovac/nm, 1995.

11. *Chairman of the Scientific Committee*, Tenth Conference on Applied Mathematics, Budva, 1995.

12. *Member of Organizing Committee*, Seventh Conference on Logic and Computer Science, Novi Sad, 1995.

13. *Chairman of the Scientific Committee*, Eleventh Conference on Applied Mathematics, Budva, 1996.

14. *Member of the Global Organizing Committee*, The Second World Congress of Nonlinear Analists "WCNA 96", Athens, Greece, 1996.

15. *Organizer of Mini Symposium "Solving Equations"*, The Second World Congress of Nonlinear Analists "WCNA 96", Athens, Greece, 1996.

16. *Member of Organizing Committee*, Eighth Conference on Logic and Computer Science, Novi Sad, 1997.

17. *Chairman of the Scientific Committee and Chairman of the Organizing Committee*, Twenth Conference on Applied Mathematics, Palić, 1997.

18. *Chairman of the Scientific Committee and Chairman of the Organizing Committee*, Thirteenth Conference on Applied Mathematics, Igalo, 1998.

19. *Chairman of the Scientific Committee and Chairman of the Organizing Committee*, Fourteenth Conference on Applied Mathematics, Palić, 2000.

20. *Member of Organizing Committee,* Tenth Yugoslav Congress of Mathematicians, Beograd, 2000.

21. *Chairman of the Scientific Committee* Fifteenth Conference on Applied Mathematics, Zlatibor, 2002.

22. *Member of Program Committee, Teaching of computer science, Satellite workshop of PRIM 2002, Novi Sad, june 5-6, 2002.*

23. *Member of Program Committee, Mathematics in Medicine and Pharmacy, Satellite workshop of PRIM 2002, Novi Sad, june 21, 2002.*

24. *Member of Program Committee, Computers in Teaching, Novi Sad, january , 2003.*

25. *Chairman of the Scientific Committee, Computers in Teaching, Novi Sad, august , 2003.*

26. *Chairman of the Scientific Committee* Sixteenth Conference on Applied Mathematics, Budva, 2004.

27. Improvement of Teaching Quality in South East Europe, Joint European Institution Building Project, No IB JEP 16081 2001, Kopaonik, 1-3, October 2004.

28. Improvement of Teaching Quality in South East Europe, Joint European Institution Building Project, No IB JEP 16081 2001, Vrnjačka Banja, 10-13, March 2005.

29. *Chairman of the Scientific Committee* Seventeenth Conference on Applied Mathematics, Kragujevac, 2006.

62. *Chairman of the Scientific Committee,* Međunarodni simpozijum „Tehnologija, informatika i obrazovanje za društvo učenja i znanja" održanom 26- 27. januar 2007. Prirodno-matematički fakultet, Novi Sad.

30. *Chairman of the Scientific Committee* Eighteenth Conference on Applied Mathematics, Subotica, 2009.

63. *Member of Program Committee,* Međunarodni simpozijum „Tehnologija, informatika i obrazovanje za društvo učenja i znanja" održanom 19- 20. jun 2009. Fakultet tehničkih nauka, Novi Sad

Miscellaneous

Reviewer for

1. Reviewer for Zentralblatt für Mathematik since 1984.

2. Reviewer for Mathematical Reviews since 1986.

Graduate student thesis director

1. Twelve Ph. D. candidates (R. Vulanović, 1986; Lj. Cvetković, 1987; N. Petrović, 1988; N. Adžić, 1990; N. Krejić, 1994; S. Lakić, 1996; Z. Lužanin, 1997; H. Zarin, 2003, M. Miloradović, 2004; P. Kovačević, 2006; R. Stojković, 2006; V. Mićanović, 2008.)

2. Thirty-six M.S. candidates (S. Kuzmanov, 1982; R. Vulanović, 1983; N. Petrović, 1985; V. Jerković, 1985; Lj. Cvetković, 1985; N. Adžić, 1987; S. Lakić, 1990; V. Vrcelj, 1990; N. Krejić, 1992; Z. Ogrizović, 1994; O. Normali-Krnjetin, 1996; H. Maličić, 1999; S. Rapajić, 1999; J. Nedić, 2000; M. Miloradović, 2001; I. Radeka, 2002; R. Stojković, 2002; B. Prentović, 2003; E. Ljajko, 2007; Z. Čolakov, 2008; M. Bozalo, 2008; L. Kopanja 2010; G. Radojev 2010; V. Nedić 2010; J. Siđi 2011; V. Tomić,2011; I. Leković 2011; S. Vučenov 2012; M. Sretenović 2012; B. Janković 2012; D. Bošković 2012; Z. Tomić 2012; J. Kovačević 2012; B. Radošević 2012; S. Trifunović 2012; S. Krunić 2012.)

3. Tenth Specialist candidates (R. Marović, 1987; M. Terek, 1988; M. Miloradović, 1999; B. Prentović, 1999; Z. Čolakov, 2004; O. Bogdanović, 2004; E. Šipoš, 2006; M. Bozalo 2006; T. Ćurčić, 2007, V. Marinkov, 2010.)

Referee for

1. Univ. u Novom Sadu, Zb. Rad. Prirod. Mat. Fak. Ser. Mat., Novi Sad, Yugoslavia

2. Zbornik radova Fakulteta tehnickih nauka, Novi Sad, Yugoslavia

3. Radovi Matematički, Sarajevo, Yugoslavia

4. Journal of Economic Dynamics and Control, London, U.K.

5. Journal of Computational and Applied Mathematics, Belgium

6. Publications de l'Institute Mathematique, Beograd, Yugoslavia

7. Filomat, Niš, Yugoslavia

8. International Journal of Mathematics and Mathematical Sciences, USA

Memberships

1. GAMM (Gesellschaft für Angewandte Mathematik und Mechanik) since 1980.

2. AMS (American Mathematical Society) since 1986.

3. SIAM (Society for Industrial and Applied Mathematics) since 1992.

4. DMS (Society of Mathematicians of Serbia) since 1975.

5. Srpasko naučno društvo, od 2002.

6. Srpaka akademija obrazovanja, od 2005.